

REMARKS

Claims 1-12 are currently active.

The Examiner has objected to the disclosure, and specifically that the Summary of the Invention is not consistent with the claimed invention. Applicant has amended the Summary of the Invention so it is not in conflict with the claims.

Antecedent support for the amendment "resulting in images of computer textures computed in real time" to Claims 1 and 12 are found on page 6, line 21.

The Examiner has rejected Claims 1-12 as being unpatentable under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. It is respectfully submitted that the disclosure specifically supports the claims. The Examiner is directed to page 13, lines 15-24. Specifically therein, it is stated that "the mechanism is pipelined, so that at each new machine instruction, a new value for i, j, k, u, v, w, can be fed in, for a throughput of one result per clock cycle. Accordingly, the claims are clear and definite and supported by the disclosure.

The Examiner has rejected Claims 1-12 under 35 U.S.C. 112, second paragraph, as being indefinite. Claims 1 and 12 have been amended to obviate this rejection.

The Examiner has rejected Claims 1 and 12 as being anticipated by Ebert.

Applicant respectfully traverses this rejection.

Ebert is actually the prior art Perlin noise developed by applicant. Applicant has carefully read over the claims and the Examiner's detailed arguments, and respectfully submits that he cannot figure out how anything he said in the Ebert book implies that it is possible to compute "a single interpolated result so that each 3 dimensional evaluation of one x, y, z triplet requires only one pipelined clock cycle." More specifically, the Examiner has rejected Claims 1 and 12 as being anticipated. This requires clear teachings without the use of implication or alternative interpretation of critical teachings the examiner relies upon to find that Ebert teaches every limitation of the claims. It is respectfully submitted Ebert cannot meet this standard.

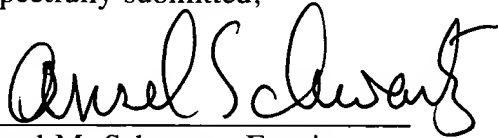
Furthermore, the x, y, z triplet refers to the original input point; not about only one of the eight cube-corner vertex values in Claim 1. Applicant interprets the Examiner's statements as the latter. Applicant cannot think of any other explanation for why the Examiner does not see that the claim is novel over what applicant himself described in Ebert et al.

The Examiner has rejected Claims 2-11 as being unpatentable over Ebert in view of Ye. Applicant respectfully traverses this rejection. Ye also does not teach or suggest anywhere the limitation "combining with the computer the contribution from each vertex into a

single interpolated result so that each 3 dimensional evaluation of one x, y, z triplet requires only one pipelined clock cycle". Claims 2-11 are dependent to parent Claim 1 and have all the limitations of Claim 1. For the reasons Claim 1 is patentable, as explained above, Claims 2-11 are patentable over Ebert in view of Ye.

In view of the foregoing amendments and remarks, it is respectfully requested that the outstanding rejections and objections to this application be reconsidered and withdrawn, and Claims 1-12, now in this application be allowed.

Respectfully submitted,

By 

Ansel M. Schwartz, Esquire

Reg. No. 30,587

One Sterling Plaza

201 N. Craig Street, Suite 304

Pittsburgh, PA 15213

(412) 621-9222

Attorney for Applicant